

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants:	Bradley L. Todd, et al)	
)	Art Unit: Unknown
Serial No.:	Unknown)	
)	
Filed:	Concurrently Herewith)	Examiner: Unknown
)	
For:	Fluid Loss Control)	
	Additives for Use in)	
	Fracturing Subterranean)	
	Formations)	

INFORMATION DISCLOSURE STATEMENT

COMMISSIONER FOR PATENTS
Alexandria, VA 22313-1450

SIR:

The following documents are known to Applicants or Applicants' attorneys and are submitted for the Examiner to consider in the above-captioned application.

U. S. PATENTS

U.S. Patent Number 4526,695 issued 02/07/85 to Steven R. Erbstoesser, et al;

U.S. Patent Number 6,390,195 issued 05/21/02 to Philip D. Nguyen, et al;

U.S. Patent Number 6,364,945 issued 04/02/02 to Jiten Chatterji, et al;

U.S. Patent Number 6,202,751 issued 03/20/01 to Jiten Chatterji, et al;

U.S. Patent Number 3,955,993 issued 05/11/76 to Beverly A. Curtice, et al;

U.S. Patent Number 3,948,672 issued 04/06/76 to Bobby G. Harnsberger;

U.S. Patent Number 6,323,307 issued 11/27/01 to Donald M. Bigg, et al;

U.S. Patent Number 6,485,947 issued 11/26/02 to Vineet Rajgarhia, et al;

U.S. Patent Number 4,387,769 issued 06/12/83 to Steven R. Erbstoesser, et al;
U.S. Patent Number 6,172,011 issued 01/09/01 to Roger J. Card, et al;
U.S. Patent Number 5,924,488 issued 07/20/99 to Philip D. Nguyen, et al;
U.S. Patent Number 6,209,643 issued 04/03/01 to Philip D. Nguyen, et al;
U.S. Patent Number 6,047,772 issued 04/11/00 to Jim D. Weaver, et al;
U.S. Patent Number 5,908,073 issued 06/01/99 to Philip D. Nguyen, et al;
U.S. Patent Number 5,791,415 issued 08/11/98 to Philip D. Nguyen, et al;
U.S. Patent Number 4,694,905 issued 09/22/87 to David R. Armbruster;
U.S. Patent Number 4,785,884 issued 11/22/88 to David R. Armbruster; and
U.S. Patent Number 6,328,105 issued 12/11/01 to Donald E. Betzold.

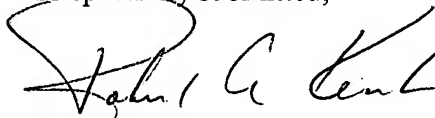
FOREIGN PATENTS

PCT International Publication No. WO 03/027431 published on 04/03/03 by Claude E.
Cooke, Jr.

PCT International Publication No. WO 99/27229 published on 06/03/99 by Allan R.
Rickards.

Copies of the aforementioned references and Form PTO-1449 are submitted herewith.

Respectfully submitted,

A handwritten signature in black ink, appearing to read "Robert A. Kent", written over a large, loopy initial "R".

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PTO-1449 Information Disclosure Citation in an Application	Application No.	Applicant(s):	
	Docket Number HES 2003-IP-010496U1	Group Art Unit Unassigned	Filing Date

U.S. PATENT DOCUMENTS

		DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE
	1	4,526,695	02/07/85	ERBSTOESSER ET AL.	252	8.55 R	02/04/83
	2	6,390,195	05/21/02	NGUYEN, ET AL.	166	276	10/27/00
	3	6,364,945	04/02/02	CHATTERJI, ET AL.	106	677	12/13/00
	4	6,202,751	03/20/01	CHATTERJI, ET AL.	166	276	07/28/00
	5	3,955,993	05/11/76	CURTICE, ET AL.	106	662	09/26/74
	6	3,948,672	04/06/76	HARNSBERGER	106	720	09/26/74
	7	6,323,307	11/27/01	BIGG, ET AL.	528	354	09/16/95
	8	6,485,947	11/26/02	RAJGARHIA, ET AL.	435	139	05/19/00
	9	4,387,769	06/14/83	ERBSTOESSER, ET AL.	507	219	08/10/81
	10	6,172,011	01/09/01	CARD, ET AL.	507	204	03/08/96
	11	5,924,488	07/20/99	NGUYEN, ET AL.	166	280	06/11/97
	12	6,209,643	04/03/01	NGUYEN, ET AL.	166	276	03/06/00
	13	6,047,772	04/11/00	WEAVER, ET AL.	166	276	11/09/98
	14	5,908,073	06/01/99	NGUYEN, ET AL.	166	276	06/26/97
	15	5,791,415	08/11/98	NGUYEN, ET AL.	166	280	03/13/97
	16	4,694,905	09/22/87	ARMBRUSTER	166	280	05/23/86
	17	4,785,884	11/22/88	ARMBRUSTER	166	280	01/28/88
	18	6,328,105	12/11/01	BETZOLD	166	280	07/14/00

FOREIGN PATENT DOCUMENTS

		DOCUMENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
		WO 03/027431	04/03/03	UNITED STATES	E2	1B		X
		WO 99/27229	06/03/99	UNITED STATES	E2	1B		X

NON-PATENT DOCUMENTS

		DOCUMENT (Including Author, Title, Source, and Pertinent Pages)	DATE

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.